

ABSTRACT OF THE DISCLOSURE

The present invention improves the luminous efficiency of lamps that emit light due to electric discharge, such as a fluorescent lamp and an HID lamp. The fluorescent lamp 5 includes a glass tube used as a fluorescent tube made of a glass material containing an emissive element. When exposed to ultraviolet light (with the peak wavelength of 251nm) emitted due to mercury excitation, the emissive element emits ultraviolet light having a longer wavelength than that. The HID lamp includes an envelop made of a glass material that contains an emissive element. When exposed to ultraviolet light emitted due to excitation of an emissive material enclosed in an arctube, the emissive element emits ultraviolet light having a longer wavelength than that.